L Number	Hits	Search Text	DB	Time stamp
1	813	(proteons or PNC or "misfolded proteins")	USPAT; US-PGPUB	2004/07/27 14:22
2	934	(proteons or PNC or "misfolded proteins")	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/27 14:22
3	11437	heating and centrifuging	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/27 14:23
4	10	(heating and centrifuging) and ((proteons or PNC or "misfolded proteins"))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/27 14:23

27/07/200415:51Print selected from Online session

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FULL ESTIMATED COST	0.21	0.21

=> file Uspatfull

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.42	0.42

FILE 'USPATFULL' ENTERED AT 15:45:47 ON 27 JUL 2004
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FILE COVERS 1971 TO PATENT PUBLICATION DATE: 27 Jul 2004 (20040727/PD)
FILE LAST UPDATED: 27 Jul 2004 (20040727/ED)
HIGHEST GRANTED PATENT NUMBER: US6769133
HIGHEST APPLICATION PUBLICATION NUMBER: US2004143878
CA INDEXING IS CURRENT THROUGH 27 Jul 2004 (20040727/UPCA)
ISSUE CLASS FIELDS (/INCL) CURRENT THROUGH: 27 Jul 2004 (20040727/PD)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2004
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2004

>>> USPAT2 is now available. USPATFULL contains full text of the <<<
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>>> applications. USPAT2 contains full text of the latest US <<<
>>> publications, starting in 2001, for the inventions covered in <<<
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>>> published document but also a list of any subsequent <<<
>>> publications. The publication number, patent kind code, and <<<
>>> publication date for all the US publications for an invention <<<
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>>> the earliest to the latest publication. <<<

This file contains CAS Registry Numbers for easy and accurate
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=> (proteons or prions "misfolded proteins") and (heating and centrifuging)

```
             8 PROTEONS
           994 PRIONS
          2311 "MISFOLDED"
        149454 "PROTEINS"
             0 PRIONS "MISFOLDED PROTEINS"
                 (PRIONS(W)"MISFOLDED"(W)"PROTEINS")
        665771 HEATING
           558 HEATINGS
        665810 HEATING
                 (HEATING OR HEATINGS)
         25206 CENTRIFUGING
            24 CENTRIFUGINGS
         25220 CENTRIFUGING
                 (CENTRIFUGING OR CENTRIFUGINGS)
L1           1 (PROTEONS OR PRIONS "MISFOLDED PROTEINS") AND (HEATING AND CENTR
               IFUGING)

=> (proteons or prions or "misfolded proteins") and (heating and centrifuging)
             8 PROTEONS
           994 PRIONS
          2311 "MISFOLDED"
        149454 "PROTEINS"
           167 "MISFOLDED PROTEINS"
                 ("MISFOLDED"(W)"PROTEINS")
        665771 HEATING
           558 HEATINGS
        665810 HEATING
                 (HEATING OR HEATINGS)
         25206 CENTRIFUGING
            24 CENTRIFUGINGS
         25220 CENTRIFUGING
                 (CENTRIFUGING OR CENTRIFUGINGS)
L2          33 (PROTEONS OR PRIONS OR "MISFOLDED PROTEINS") AND (HEATING AND
               CENTRIFUGING)

=>  d ti 1-33

L2   ANSWER 1 OF 33  USPATFULL on STN
TI     Method of isolation and self-assembly of small protein particles from
       blood and other biological materials

L2   ANSWER 2 OF 33  USPATFULL on STN
TI     Multi-formed collagenous biomaterial medical device

L2   ANSWER 3 OF 33  USPATFULL on STN
TI     Yeast cell surface display of proteins and uses thereof

L2   ANSWER 4 OF 33  USPATFULL on STN
TI     Compositions and methods for detection and isolation of phosphorylated
       molecules

L2   ANSWER 5 OF 33  USPATFULL on STN
TI     Yeast cell surface display of proteins and uses thereof

L2   ANSWER 6 OF 33  USPATFULL on STN
TI     Methods for sterilizing biological materials by irradiation over a
       temperature gradient

L2   ANSWER 7 OF 33  USPATFULL on STN
```

TI Cell and tissue culture device

L2 ANSWER 8 OF 33 USPATFULL on STN
TI Surrogate antibodies and methods of preparation and use thereof

L2 ANSWER 9 OF 33 USPATFULL on STN
TI Methods and compositions for neutralizing anthrax and other bioagents

L2 ANSWER 10 OF 33 USPATFULL on STN
TI Radiopaque implantable collagenous biomaterial device

L2 ANSWER 11 OF 33 USPATFULL on STN
TI Method and system for detecting and recording submicron sized particles

L2 ANSWER 12 OF 33 USPATFULL on STN
TI Methods for sterilizing tissue

L2 ANSWER 13 OF 33 USPATFULL on STN
TI Methods for sterilizing tissue

L2 ANSWER 14 OF 33 USPATFULL on STN
TI Recombinant collagen and derived proteins produced by plants, methods for obtaining them and uses

L2 ANSWER 15 OF 33 USPATFULL on STN
TI Targeted enzyme prodrug therapy

L2 ANSWER 16 OF 33 USPATFULL on STN
TI Recombinant collagens and derived proteins produced by plants, methods of obtaining such and their uses

L2 ANSWER 17 OF 33 USPATFULL on STN
TI Antibodies for specifically detecting pathogenic **prions** of human origin, and detection methods carried out using these antibodies

L2 ANSWER 18 OF 33 USPATFULL on STN
TI Targeted enzymes

L2 ANSWER 19 OF 33 USPATFULL on STN
TI Tubular graft construct

L2 ANSWER 20 OF 33 USPATFULL on STN
TI Adjuvants for nucleic acid vaccines

L2 ANSWER 21 OF 33 USPATFULL on STN
TI Methods devices and systems for sorting and separating particles

L2 ANSWER 22 OF 33 USPATFULL on STN
TI Rapid sterilization and vaccine preparation

L2 ANSWER 23 OF 33 USPATFULL on STN
TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

L2 ANSWER 24 OF 33 USPATFULL on STN
TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity

L2 ANSWER 25 OF 33 USPATFULL on STN

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TI MULTI-FORMED COLLAGENOUS BIOMATERIAL MEDICAL DEVICE

L2 ANSWER 26 OF 33 USPATFULL on STN
TI Yeast cell surface display of proteins and uses thereof

L2 ANSWER 27 OF 33 USPATFULL on STN
TI Elemental analysis of tagged biologically active materials

L2 ANSWER 28 OF 33 USPATFULL on STN
TI Assay for specific strains of multiple disease related conformations of a protein

L2 ANSWER 29 OF 33 USPATFULL on STN
TI Yeast cell surface display of proteins and uses thereof

L2 ANSWER 30 OF 33 USPATFULL on STN
TI Nucleic acid-coupled colorimetric analyte detectors

L2 ANSWER 31 OF 33 USPATFULL on STN
TI Yeast cell surface display of proteins and uses thereof

L2 ANSWER 32 OF 33 USPATFULL on STN
TI Microbial inactivation by high-pressure throttling

L2 ANSWER 33 OF 33 USPATFULL on STN
TI Production of insulin-like growth factor-1 in methylotrophic yeast cells

=> d ab bib 2, 6, 17, 28

L2 ANSWER 2 OF 33 USPATFULL on STN
AB The invention involves a submucosa tissue that has the capability of being shape formed or shape configured. The submucosa involves a purified form of submucosa tissue. Optionally, the submucosa can be packaged in such a manner to permit sterility or maintain sterility of the submucosa.
AN 2004:177878 USPATFULL
TI Multi-formed collagenous biomaterial medical device
IN Hiles, Michael C., Lafayette, IN, UNITED STATES
Patel, Umesh H., West Lafayette, IN, UNITED STATES
PI US 2004137042 A1 20040715
AI US 2003-744420 A1 20031223 (10)
RLI Continuation of Ser. No. US 1999-320933, filed on 27 May 1999, GRANTED, Pat. No. US 6666892 Continuation-in-part of Ser. No. US 1997-916490, filed on 22 Aug 1997, GRANTED, Pat. No. US 6206931
PRAI US 1996-24542P 19960823 (60)
US 1996-24693P 19960906 (60)
US 1998-110407P 19981201 (60)
DT Utility
FS APPLICATION
LREP Woodard, Emhardt, Moriarty, McNett & Henry LLP, Bank One Center/Tower, Suite 3700, 111 Monument Circle, Indianapolis, IN, 46204-5137
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 1 Drawing Page(s)
LN.CNT 937

L2 ANSWER 6 OF 33 USPATFULL on STN
AB Methods are disclosed for sterilizing tissue to reduce the level of one

or more active biological contaminants or pathogens therein, such as viruses, bacteria, (including inter- and intracellular bacteria, such as mycoplasmas, ureaplasmas, nanobacteria, chlamydia, rickettsias), yeasts, molds, fungi, spores, **prions** or similar agents responsible, alone or in combination, for TSEs and/or single or multicellular parasites. The methods involve sterilizing one or more tissues with irradiation.

AN 2004:44170 USPATFULL
TI Methods for sterilizing biological materials by irradiation over a temperature gradient
IN MacPhee, Martin, Montgomery Village, MD, UNITED STATES
Calvert, Glenn, Frederick, MD, UNITED STATES
Lynch, Tom, Rockville, MD, UNITED STATES
Kent, Randall S., Thousand Oaks, CA, UNITED STATES
Mann, David, Gaithersburg, MD, UNITED STATES
Burgess, Wilson, Clifton, VA, UNITED STATES
Miekka, Shirley, Gaithersburg, MD, UNITED STATES
Drohan, William N., Springfield, VA, UNITED STATES
PI US 2004033160 A1 20040219
AI US 2002-197249 A1 20020718 (10)
DT Utility
FS APPLICATION
LREP FLESHNER & KIM, LLP, P.O. BOX 221200, CHANTILLY, VA, 20153
CLMN Number of Claims: 102
ECL Exemplary Claim: 1
DRWN 2 Drawing Page(s)
LN.CNT 3969

L2 ANSWER 17 OF 33 USPATFULL on STN
AB Antibodies for specifically detecting pathogenic **prions** of human origin, and methods for detecting pathogenic **prions**, are described. In particular, a conformation-dependent immunoassay method for detecting pathogenic prion proteins in a sample of a body fluid, containing a PrP protein, which contains a first, natural, non-pathological conformation, i.e. PrP.sup.c, and a second, pathological conformation, i.e. PrP.sup.Sc, is described, in which method the prion proteins differ in their binding affinity for monoclonal antibodies which bind specifically to prion proteins of human origin, with the detection method comprising the following steps:

a) adding one of the abovementioned monoclonal antibodies, which is fixed to a solid support and which exhibits a higher affinity for the first prion protein conformation, to the first portion of the sample, and determining this first concentration;

b) treating the second portion of the sample in order to increase the binding affinity of the second conformation of the prion protein for the monoclonal antibody;

c) adding the monoclonal antibody to the treated second portion of the sample to be investigated, in order to determine the second concentration;

d) comparing the first prion protein concentration with the second prion protein concentration in order to ascertain the presence of the pathogenic prion protein conformation.

AN 2003:134009 USPATFULL
TI Antibodies for specifically detecting pathogenic **prions** of human origin, and detection methods carried out using these antibodies

IN Vey, Martin, Marburg, GERMANY, FEDERAL REPUBLIC OF
Lang, Wiegand, Coelbe, GERMANY, FEDERAL REPUBLIC OF
Groener, Albrecht, Marburg, GERMANY, FEDERAL REPUBLIC OF
Bellon, Anne, Marburg, GERMANY, FEDERAL REPUBLIC OF
PI US 2003092094 A1 20030515
AI US 2002-273282 A1 20021018 (10)
PRAI DE 2001-152677 20011019
DT Utility
FS APPLICATION
LREP Finnegan, Henderson, Farabow,, Garrett & Dunner, L.L.P., 1300 I Street, N.W., Washington, DC, 20005-3315
CLMN Number of Claims: 22
ECL Exemplary Claim: 1
DRWN 3 Drawing Page(s)
LN.CNT 708
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L2 ANSWER 28 OF 33 USPATFULL on STN
AB Assay methodology of the invention allows for: (1) determining if a sample contains a conformation of a protein which is associated with disease and the concentration and amount of such if present; (2) determining the amount of protease resistant disease related protein in a sample and by subtracting that amount from the total amount of disease related protein present determining the amount of protease sensitive disease protein in the sample; and (3) determining the strain and incubation time of a disease related protein by (i) relating the relative amounts of protease resistant and protease sensitive protein to known strains to thereby determine the strain; and (ii) plotting the concentration of protease sensitive protein on a graph of incubation time versus concentration of protease sensitive protein for known strains to predict the incubation time of an unknown strain of pathogenic protein in a sample.
AN 2002:3842 USPATFULL
TI Assay for specific strains of multiple disease related conformations of a protein
IN Prusiner, Stanley B., San Francisco, CA, UNITED STATES
Safar, Jiri G., Concord, CA, UNITED STATES
Cohen, Fred E., San Francisco, CA, UNITED STATES
PI US 2002001817 A1 20020103
US 6617119 B2 20030909
AI US 2001-901865 A1 20010709 (9)
RLI Continuation of Ser. No. US 1998-151057, filed on 10 Sep 1998, PENDING Continuation-in-part of Ser. No. US 1998-26957, filed on 20 Feb 1998, ABANDONED Continuation-in-part of Ser. No. US 1997-804536, filed on 21 Feb 1997, GRANTED, Pat. No. US 5891641
DT Utility
FS APPLICATION
LREP Karl Bozicevic, Bozicevic, Field and Francis LLP, Suite 200, 200 Middlefield Road, Menlo Park, CA, 94025
CLMN Number of Claims: 20
ECL Exemplary Claim: 1
DRWN 19 Drawing Page(s)
LN.CNT 2676
CAS INDEXING IS AVAILABLE FOR THIS PATE

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=> index bioscience patents
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FILE 'ENCOMPPAT' ACCESS NOT AUTHORIZED
FILE 'ENCOMPPAT2' ACCESS NOT AUTHORIZED
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                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     0.21       0.21

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS,
       BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT,
       CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU,
       DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 11:02:29 ON 27 JUL 2004

92 FILES IN THE FILE LIST IN STNINDEX

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=> "cyclic amplification" and "proteons"
          1   FILE DGENE
  27 FILES SEARCHED...
          1   FILE IFIPAT
  60 FILES SEARCHED...
          1   FILE USPATFULL
  83 FILES SEARCHED...
          1   FILE PCTFULL

   4 FILES HAVE ONE OR MORE ANSWERS,   92 FILES SEARCHED IN STNINDEX

L1   QUE "CYCLIC AMPLIFICATION" AND "PROTEONS"

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specify a corrected file name or you can enter "IGNORE" to continue
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FULL ESTIMATED COST                                     3.99       4.20

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FILE 'IFIPAT' ENTERED AT 11:06:38 ON 27 JUL 2004
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=> "cyclic amplification" and "proteons"
L2            4 "CYCLIC AMPLIFICATION" AND "PROTEONS"

=> d ti 1-4
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L2 ANSWER 1 OF 4 DGENE COPYRIGHT 2004 THOMSON DERWENT on STN
TI Cyclically amplifying **proteons** in a biological sample for detecting conformational or congophilic disorders by centrifuging the sample until a supernatant is formed, dividing the supernatant into subsamples and heating a subsample.

L2 ANSWER 2 OF 4 IFIPAT COPYRIGHT 2004 IFI on STN
TI METHOD OF ISOLATION AND SELF-ASSEMBLY OF SMALL PROTEIN PARTICLES FROM BLOOD AND OTHER BIOLOGICAL MATERIALS

L2 ANSWER 3 OF 4 USPATFULL on STN
TI Method of isolation and self-assembly of small protein particles from blood and other biological materials

L2 ANSWER 4 OF 4 PCTFULL COPYRIGHT 2004 Univentio on STN
TIEN METHOD OF ISOLATION AND SELF-ASSEMBLY OF SMALL PROTEIN PARTICLES FROM BLOOD AND OTHER BIOLOGICAL MATERIALS
TIFR METHODES D'ISOLEMENT ET D'AUTO-ASSEMBLAGE DE PETITES PARTICULES PROTEINIQUES PRESENTES DANS DU SANG OU DANS D'AUTRES MATIERES BIOLOGIQUES

=> index bioscience patents
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FULL ESTIMATED COST	4.97	9.17

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, AQUASCI, BIOBUSINESS, BIOCOMMERCE, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CANCERLIT, CAPLUS, CEABA-VTB, CEN, CIN, CONFSCI, CROPB, CROPU, DISSABS, DDFB, DDFU, DGENE, DRUGB, DRUGMONOG2, ...' ENTERED AT 11:07:30 ON 27 JUL 2004

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=> ("cyclic amplification" or amplification) and ("misfolded proteins" or proteins or PNC)

3	FILE ADISCTI
3	FILE ADISINSIGHT
1	FILE ADISNEWS
413	FILE AGRICOLA
29	FILE ANABSTR
135	FILE AQUASCI
249	FILE BIOBUSINESS
12	FILE BIOCOMMERCE
6054	FILE BIOSIS
4371	FILE BIOTECHABS
4371	FILE BIOTECHDS
2953	FILE BIOTECHNO
1155	FILE CABA
4800	FILE CANCERLIT
10613	FILE CAPLUS
53	FILE CEABA-VTB
29	FILE CEN

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         4   FILE CONFSCI
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         1   FILE DDFB
        22   FILE DDFU
    101731   FILE DGENE
         1   FILE DRUGB
         3   FILE IMSDRUGNEWS
        82   FILE DRUGU
         2   FILE IMSRESEARCH
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        33   FILE EMBAL
      3283   FILE EMBASE
      2528   FILE ESBIOBASE
       327   FILE FEDRIP
        49   FILE FROSTI
        82   FILE FSTA
      5791   FILE GENBANK
         1   FILE HEALSAFE
      1669   FILE IFIPAT
       123   FILE JICST-EPLUS
         8   FILE KOSMET
      1813   FILE LIFESCI
     10820   FILE MEDLINE
         6   FILE NIOSHTIC
        95   FILE NTIS
        32   FILE OCEAN
 51 FILES SEARCHED...
      1171   FILE PASCAL
         1   FILE PHAR
         4   FILE PHARMAML
        55   FILE PHIN
       432   FILE PROMT
        11   FILE RDISCLOSURE
      4749   FILE SCISEARCH
      2384   FILE TOXCENTER
     45430   FILE USPATFULL
      2134   FILE USPAT2
        12   FILE VETU
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         9   FILE WPIFV
      1493   FILE WPINDEX
         1   FILE CAOLD
         1   FILE CASREACT
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      6830   FILE EUROPATFULL
       216   FILE FRFULL
       201   FILE INPADOC
         5   FILE JAPIO
        18   FILE PAPERCHEM2
       304   FILE PATDPAFULL
        61   FILE PATOSEP
        79   FILE PATOSWO
     32591   FILE PCTFULL
 87 FILES SEARCHED...
         3   FILE RAPRA
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71 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L3 QUE ("CYCLIC AMPLIFICATION" OR AMPLIFICATION) AND ("MISFOLDED PROTEINS" OR PROTEINS OR PNC)

=> "cyclic amplification" and ("misfolded proteins" or PNC)
1 FILE BIOSIS
1 FILE BIOTECHNO
1 FILE CAPLUS
24 FILES SEARCHED...
1 FILE DGENE
1 FILE EMBASE
1 FILE ESBIOBASE
1 FILE IFIPAT
1 FILE LIFESCI
45 FILES SEARCHED...
1 FILE MEDLINE
1 FILE SCISEARCH
1 FILE USPATFULL
70 FILES SEARCHED...
1 FILE PCTFULL
90 FILES SEARCHED...

12 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L4 QUE "CYCLIC AMPLIFICATION" AND ("MISFOLDED PROTEINS" OR PNC)

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=> "cyclic amplification" and ("misfolded proteins" or PNC)
L5 8 "CYCLIC AMPLIFICATION" AND ("MISFOLDED PROTEINS" OR PNC)

=> d ti 1-8

L5 ANSWER 1 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
TI **Cyclic amplification** of protein misfolding:
Application to prion-related disorders and beyond.

L5 ANSWER 2 OF 8 BIOTECHNO COPYRIGHT 2004 Elsevier Science B.V. on STN
TI **Cyclic amplification** of protein misfolding:
Application to prion-related disorders and beyond

L5 ANSWER 3 OF 8 CAPLUS COPYRIGHT 2004 ACS on STN
TI **Cyclic amplification** of protein misfolding:
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TI **Cyclic amplification** of protein misfolding:
Application to prion-related disorders and beyond

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TI **Cyclic amplification** of protein misfolding:
application to prion-related disorders and beyond

L5 ANSWER 7 OF 8 MEDLINE on STN
TI **Cyclic amplification** of protein misfolding:
application to prion-related disorders and beyond.

L5 ANSWER 8 OF 8 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
TI **Cyclic amplification** of protein misfolding:
application to prion-related disorders and beyond

=> d ab bib 1

L5 ANSWER 1 OF 8 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AB Diverse human disorders, including the majority of neurodegenerative diseases, are thought to arise from the misfolding and aggregation of protein. We have recently described a novel technology to amplify cyclically **misfolded proteins** in vitro. This procedure, named protein misfolding **cyclic amplification** (PMCA), is conceptually analogous to DNA amplification by PCR and has tremendous implications for research and diagnosis. The PMCA concept has been proved on the amplification of prions implicated in the pathogenesis of transmissible spongiform encephalopathies. In this article we describe the rational behind PMCA and some of the many potential applications of this novel technology.
AN 2002:430276 BIOSIS
DN PREV200200430276
TI **Cyclic amplification** of protein misfolding:
Application to prion-related disorders and beyond.
AU Soto, Claudio [Reprint author]; Saborio, Gabriela P.; Anderes, Laurence

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CS 15 Chemin des Mines, 1211, Geneva, Switzerland
claudio.soto@serono.com
SO Trends in Neurosciences, (August, 2002) Vol. 25, No. 8, pp. 390-394.
print.
CODEN: TNSCDR. ISSN: 0166-2236.
DT Article
LA English
ED Entered STN: 14 Aug 2002
Last Updated on STN: 14 Aug 2002

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	39.04	56.19

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92 FILES IN THE FILE LIST IN STNINDEX

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=> amplification and centrifuging and heating and "misfolded proteins"
1 FILE DGENE
25 FILES SEARCHED...
1 FILE IFIPAT
50 FILES SEARCHED...
9 FILE USPATFULL
68 FILES SEARCHED...
3 FILE PCTFULL
87 FILES SEARCHED...

4 FILES HAVE ONE OR MORE ANSWERS, 92 FILES SEARCHED IN STNINDEX

L6 QUE AMPLIFICATION AND CENTRIFUGING AND HEATING AND "MISFOLDED PROTEINS"

=> file DGENE IFIPAT USPATFULL PCTFULL

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FILE 'IFIPAT' ENTERED AT 11:34:03 ON 27 JUL 2004
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FILE 'USPATFULL' ENTERED AT 11:34:03 ON 27 JUL 2004
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=> amplification and centrifuging and heating and "misfolded proteins"
L7          14 AMPLIFICATION AND CENTRIFUGING AND HEATING AND "MISFOLDED PROTEI
               NS"

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L7    ANSWER 1 OF 14  DGENE  COPYRIGHT 2004 THOMSON DERWENT on STN
TI    Cyclically amplifying proteons in a biological sample for detecting
      conformational or congophilic disorders by centrifuging the
      sample until  a supernatant is formed, dividing the supernatant into
      subsamples and  heating a subsample.

L7   ANSWER 2 OF 14  IFIPAT  COPYRIGHT 2004 IFI on STN
TI    METHOD OF ISOLATION AND SELF-ASSEMBLY OF SMALL PROTEIN PARTICLES FROM
      BLOOD AND OTHER BIOLOGICAL MATERIALS

L7   ANSWER 3 OF 14  USPATFULL on STN
TI     Method of isolation and self-assembly of small protein particles from
       blood and other biological materials

L7   ANSWER 4 OF 14  USPATFULL on STN
TI     Yeast cell surface display of proteins and uses thereof

L7   ANSWER 5 OF 14  USPATFULL on STN
TI     Yeast cell surface display of proteins and uses thereof

L7   ANSWER 6 OF 14  USPATFULL on STN
TI     Nucleic acid sequences encoding type III tenebrio antifreeze proteins
       and method for assaying activity

L7   ANSWER 7 OF 14  USPATFULL on STN
TI     Nucleic acid sequences encoding type III tenebrio antifreeze proteins
       and method for assaying activity

L7   ANSWER 8 OF 14  USPATFULL on STN
TI     Yeast cell surface display of proteins and uses thereof

L7   ANSWER 9 OF 14  USPATFULL on STN
TI     Yeast cell surface display of proteins and uses thereof

L7   ANSWER 10 OF 14  USPATFULL on STN
TI     Yeast cell surface display of proteins and uses thereof

L7   ANSWER 11 OF 14  USPATFULL on STN
TI     Production of insulin-like growth factor-1 in methylotrophic yeast cells
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L7 ANSWER 12 OF 14 PCTFULL COPYRIGHT 2004 Univentio on STN
TIEN METHOD OF ISOLATION AND SELF-ASSEMBLY OF SMALL PROTEIN PARTICLES FROM BLOOD AND OTHER BIOLOGICAL MATERIALS
TIFR METHODES D'ISOLEMENT ET D'AUTO-ASSEMBLAGE DE PETITES PARTICULES PROTEINIQUES PRESENTES DANS DU SANG OU DANS D'AUTRES MATIERES BIOLOGIQUES

L7 ANSWER 13 OF 14 PCTFULL COPYRIGHT 2004 Univentio on STN
TIEN NUCLEIC ACID SEQUENCES ENCODING TYPE III TENEBRIO ANTIFREEZE PROTEINS AND METHOD FOR ASSAYING ACTIVITY
TIFR SEQUENCES D'ACIDES NUCLEIQUES CODANT POUR DES PROTEINES ANTIGEL DE TENEBRION TYPE III ET PROCEDE D'ANALYSE ASSOCIE

L7 ANSWER 14 OF 14 PCTFULL COPYRIGHT 2004 Univentio on STN
TIEN YEAST CELL SURFACE DISPLAY OF PROTEINS AND USES THEREOF
TIFR PROTEINES POUR LA PRESENTATION DE LA SURFACE D'UNE CELLULE DE LEVURE ET LEURS UTILISATIONS

=> d ab bib 4, 6, 7

L7 ANSWER 4 OF 14 USPATFULL on STN
AB The present invention provides a genetic method for tethering polypeptides to the yeast cell wall in a form accessible for binding to macromolecules. Combining this method with fluorescence-activated cell sorting provides a means of selecting proteins with increased or decreased affinity for another molecule, altered specificity, or conditional binding. Also provided is a method for genetic fusion of the N terminus of a polypeptide of interest to the C-terminus of the yeast Aga2p cell wall protein. The outer wall of each yeast cell can display approximately 10.sup.4 protein agglutinins. The native agglutinins serve as specific adhesion contacts to fuse yeast cells of opposite mating type during mating. In effect, yeast has evolved a platform for protein-protein binding without steric hindrance, from cell wall components. As one embodiment, attaching an scFv antibody fragment to the Aga2p agglutinin effectively mimics the cell surface display of antibodies by B cells in the immune system for affinity maturation in vivo. As another embodiment, T cell receptor mutants can be isolated by this method that are efficiently displayed on the yeast cell surface, providing a means of altering T cell receptor binding affinity and specificity by library screening.
AN 2004:53289 USPATFULL
TI Yeast cell surface display of proteins and uses thereof
IN Wittrup, K. Dane, Chestnut Hill, MA, United States
Kranz, David M., Champaign, IL, United States
Kieke, Michele, Urbana, IL, United States
Boder, Eric T., Media, PA, United States
PA Board of Trustees of the University of Illinois, Urbana, IL, United States (U.S. corporation)
PI US 6699658 B1 20040302
AI US 1998-9388 19980120 (9)
RLI Continuation-in-part of Ser. No. US 1997-866398, filed on 30 May 1997, now abandoned
PRAI US 1996-18741P 19960531 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Guzo, David
LREP Greenlee, Winner and Sullivan, P.C.

CLMN Number of Claims: 42
ECL Exemplary Claim: 1
DRWN 36 Drawing Figure(s); 27 Drawing Page(s)
LN.CNT 2835
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 6 OF 14 USPATFULL on STN
AB Thermal hysteresis proteins and their nucleotide sequences derived from the Tenebrionoidea Superfamily which lower the freezing point of a solution without effecting the melting point. Related methods for preparing said proteins and for providing antifreeze or recrystallization inhibition properties to a subject formulation.
AN 2002:307900 USPATFULL
TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity
IN Horwath, Kathleen L., Endwell, NY, UNITED STATES
Easton, Christopher M., Ithaca, NY, UNITED STATES
PI US 2002173024 A1 20021121
AI US 2001-876796 A1 20010607 (9)
PRAI US 2000-210446P 20000608 (60)
DT Utility
FS APPLICATION
LREP Mark Levy, SALZMAN & LEVY, Ste. 902, 19 Chenango St., Binghamton, NY, 13901
CLMN Number of Claims: 40
ECL Exemplary Claim: 1
DRWN 131 Drawing Page(s)
LN.CNT 10082
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L7 ANSWER 7 OF 14 USPATFULL on STN
AB A recrystallization inhibition method for determining the presence, relative concentration, and/or activity of thermal hysteresis proteins comprising: providing a proteinaceous composition in a solvent to form a test solution; flash freezing said solution; raising the temperature of the frozen solution to an appropriate annealing temperature that allows for a partial melt, while limiting heterogeneity in ice grain sizes within said solution; maintaining said frozen solution at the annealing temperature for a length of time sufficient to allow for recrystallization; monitoring the ice crystal grain size changes over time; and determining the presence of functional thermal hysteresis proteins in said solution given the retention of significantly smaller ice crystal grain sizes relative to at least one control solution.
AN 2002:307828 USPATFULL
TI Nucleic acid sequences encoding type III tenebrio antifreeze proteins and method for assaying activity
IN Horwath, Kathleen L., Endwell, NY, UNITED STATES
Meyers, Kevin L., Trumansburg, NY, UNITED STATES
PI US 2002172951 A1 20021121
AI US 2001-876348 A1 20010607 (9)
PRAI US 2000-210446P 20000608 (60)
DT Utility
FS APPLICATION
LREP Mark Levy, SALZMAN & LEVY, Ste. 902, 19 Chenango St., Binghamton, NY, 13901
CLMN Number of Claims: 34
ECL Exemplary Claim: 1
DRWN 131 Drawing Page(s)
LN.CNT 10121